



Material Content Data Sheet



Sales Product Name				IPA60R160P6		Issued		24. January 2018	
MA#				MA001725750					
Package				PG-TO220-3-111		Weight*		2280.36 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	9.747	0.43	0.43	4275	4275	
leadframe	inorganic material	phosphorus	7723-14-0	0.206	0.01		90		
	non noble metal	iron	7439-89-6	0.687	0.03		301		
	non noble metal	copper	7440-50-8	686.221	30.09	30.13	300927	301318	
	non noble metal	aluminium	7429-90-5	2.711	0.12	0.12	1189	1189	
wire	non noble metal	aluminium	7429-90-5	2.711	0.12	0.12	1189	1189	
encapsulation	organic material	carbon black	1333-86-4	2.345	0.10		1028		
	plastics	epoxy resin	-	214.229	9.39		93945		
	inorganic material	silicondioxide	60676-86-0	918.749	40.29	49.78	402895	497868	
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3483	3483	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.305	0.01	0.01	134	135	
solder	non noble metal	antimony	7440-36-0	0.455	0.02		199		
	noble metal	silver	7440-22-4	1.136	0.05		498		
	non noble metal	tin	7440-31-5	2.955	0.13	0.20	1296	1993	
heatspreader	inorganic material	phosphorus	7723-14-0	0.130	0.01		57		
	non noble metal	iron	7439-89-6	0.433	0.02		190		
	non noble metal	copper	7440-50-8	432.110	18.95	18.98	189492	189739	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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